| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|---|---|---|---|---|---|---|
| L2 | 393 | 427/551.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/12/23 11:44 |
| S1 | 304 | metal same polymer same composite and polymeriz$2 and (electron near beam) | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/12/23 08:10 |
| S2 | 5 | ("3157560").URPN. | USPAT | OR | OFF | 2005/12/23 08:11 |
| S3 | 32 | ("2992939" \| "3414456" \| "3475213" \| "3703571" \| "4115619").PN. OR ("4241129").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/12/23 08:26 |
| S4 | 10 | ("3759809" \| "3783151" \| "3825479" \| "3882187" \| "5919517" \| "6004629" \| "6020030" \| "6030710").PN. OR ("6696106"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/12/23 09:06 |
| S5 | 7909 | resist$4 same delamination | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/12/23 09:07 |
| S6 | 3379 | S5 and polymer and metal | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/12/23 09:07 |
| S7 | 381 | S6 and electron near beam | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/12/23 09:07 |
| S8 | 40 | ("4044187").URPN. | USPAT | OR | OFF | 2005/12/23 09:12 |
| S9 | 138 | ("4064296").URPN. | USPAT | OR | OFF | 2005/12/23 10:18 |
| S10 | 7 | ("4225373").URPN. | USPAT | OR | OFF | 2005/12/23 10:03 |
| S11 | 28 | S8 and metal | USPAT | OR | OFF | 2005/12/23 09:22 |
| S12 | 25 | ("5112462").URPN. | USPAT | OR | OFF | 2005/12/23 10:04 |
| S13 | 90 | (metal or aluminum or steel) and S9 | USPAT | OR | OFF | 2005/12/23 09:47 |
| S14 | 19 | ("4390552").URPN. | USPAT | OR | OFF | 2005/12/23 10:05 |
| S15 | 296 | delamination same metal same polymer | USPAT | OR | OFF | 2005/12/23 10:26 |
| S16 | 280 | S15 and (inhibit$3 or prevent$3 or resist$4) | USPAT | OR | OFF | 2005/12/23 10:19 |
| S17 | 19 | S16 and (food$ or beverage$) | USPAT | OR | OFF | 2005/12/23 10:20 |
| S18 | 581 | delamination same metal same polymer | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/12/23 10:20 |
| S19 | 547 | S18 and (inhibit$3 or prevent$3 or resist$4) | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/12/23 10:20 |

| S20 | 49 | S19 and (food$ or beverage$) | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/12/23 10:25 |
|---|---|---|---|---|---|---|
| S21 | 6 | S20 and electron near beam | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/12/23 10:25 |
| S22 | 72 | delamination same (inhibhit$3 or prevent$3 or resist$4) and (food$ or beverage$) and electron near beam and metal | USPAT | OR | OFF | 2005/12/23 10:26 |
| S23 | 104 | delamination same (inhibhit$3 or prevent$3 or resist$4) and (food$ or beverage$) and electron near beam and metal | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/12/23 10:27 |
| S24 | 59 | delamination same (inhibhit$3 or prevent$3 or resist$4) and (food$ or beverage$) and electron near beam and aluminum | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/12/23 10:29 |
| S25 | 8377 | (rupture or separate) same metal same polymer | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/12/23 10:29 |
| S26 | 608 | S25 and (food$ or beverage$) | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/12/23 10:29 |
| S27 | 31 | S26 and electron near beam | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/12/23 10:32 |
| S28 | 90 | separation near3 metal near3 polymer | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/12/23 10:32 |

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|---|---|---|---|---|---|---|
| S1 | 69 | metal near polymer near composite and (polyolefins or (anhydride near modified near polyolefins) or epoxies or phenoxies) | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/18 08:56 |
| S2 | 17 | metal near polymer near composite and (polyolefins or (anhydride near modified near polyolefins) or epoxies or phenoxies) and (electron near beam) | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/17 14:52 |
| S3 | 10 | ("3759809" \| "3783151" \| "3825479" \| "3882187" \| "5919517" \| "6004629" \| "6020030" \| "6030710").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/17 15:08 |
| S4 | 1 | "6218445".pn. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/17 15:08 |
| S5 | 1 | "4425287".pn. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/17 15:09 |
| S6 | 1 | "20010031348".pn. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/17 15:13 |
| S7 | 400 | (polyolefins or epoxies or pheoxies) and metal and ((food or beverage) near container) | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/17 15:22 |
| S8 | 73 | aluminum near polymer and (electron near beam) | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/17 15:24 |
| S11 | 262 | (coating near metal) same polymer and (electron near beam) | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/17 15:33 |
| S13 | 156 | (coating near aluminum) near10 polymer | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/17 15:34 |
| S14 | 325 | (coating near aluminum) near10 (polymer or polyolefin or epoxy or phenoxy) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/10/17 15:46 |
| S15 | 23 | ("4308084").URPN. | USPAT | OR | OFF | 2005/10/17 15:37 |
| S18 | 2 | "electron beam" same improve same polymer same coating same feathering | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/17 15:47 |
| S19 | 129 | "electron beam" same improve same polymer same coating | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/17 15:50 |
| S21 | 98 | polymer same scission same "electron beam" | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/17 16:03 |

| S25 | 122 | polymer near3 metal same ((extrusion or roll or laminate) near coating) | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/17 16:23 |
|---|---|---|---|---|---|---|
| S26 | 162 | metal and polymer and 427/551. ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/17 16:13 |
| S28 | 76 | metal same polymer and 427/551. ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/17 16:19 |
| S30 | 43 | polymer near metal and 428/35.7. ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/17 16:23 |
| S39 | 57 | ((food or beverage or soda or juice) near (container or holder)) and (metal near polymer) | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/18 09:07 |
| S41 | 695 | polyolefin near2 (maleic near anhydride) and metal | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/18 12:39 |
| S46 | 1 | "4308084".pn. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/18 10:10 |
| S47 | 23 | ("4308084").URPN. | USPAT | OR | OFF | 2005/10/18 10:20 |
| S48 | 67 | scission same polymer same (electron near beam) | USPAT | OR | OFF | 2005/10/18 10:26 |
| S52 | 12 | polymer and radiation and (seperates or detaches same metal) | USPAT | OR | OFF | 2005/10/18 10:30 |
| S54 | 479 | (polymer or polyolefin) and radiation same filaments | USPAT | OR | OFF | 2005/10/18 10:31 |
| S55 | 468 | (polymer) and radiation same filaments | USPAT | OR | OFF | 2005/10/18 10:31 |
| S56 | 5 | (polymer) and radiation and scission same filaments | USPAT | OR | OFF | 2005/10/18 10:32 |
| S57 | 127 | (polymer) and radiation same (scission$3 and resistance) | USPAT | OR | OFF | 2005/10/18 10:37 |
| S58 | 53 | polypropylene and radiation same (scission$3 and resistance) | USPAT | OR | OFF | 2005/10/18 10:38 |
| S65 | 141 | polymer and embrittle and radiation | USPAT | OR | OFF | 2005/10/18 10:47 |
| S66 | 202 | polymer and (increase near brittleness) | USPAT | OR | OFF | 2005/10/18 10:43 |
| S73 | 142 | polymer and (radiation same (plastic near layer)) | USPAT | OR | OFF | 2005/10/18 12:12 |
| S76 | 402 | aluminum same polymer same (food or beverage or soda or drink) | USPAT | OR | OFF | 2005/10/18 12:14 |
| S77 | 515 | aluminum same polymer and ((can or bottle or container) near end) | USPAT | OR | OFF | 2005/10/18 12:40 |

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|---|---|---|---|---|---|---|
| S78 | 54 | ("3023927" \| "3526486" \| "3843014" \| "3967752" \| "4015744" \| "4024981" \| "4093102" \| "4148410" \| "4150765" \| "4210257" \| "4217843" \| "4276993" \| "4286728" \| "4365724" \| "4402421" \| "4448322" \| "4559801" \| "4578007" \| "4606472" \| "4674649" \| "4681238" \| "4685582" \| "4716755" \| "4782594" \| "4808052" \| "4809861" \| "4893725" \| "4930658" \| "5046637" \| "5049019" \| "5064087" \| "5129541" \| "5143504" \| "5252019" \| "5356256" \| "5494184" \| "5582319" \| "5839869" \| "5911551" \| "5957647" \| "5971259" \| "6024239" \| "6065634" \| "6089072" \| "D279265" \| "D285661" \| "D300608" \| "D304302" \| "D337521" \| "D347172" \| "D352898" \| "D406236").PN. OR ("6935826").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/18 12:18 |
| S82 | 10 | ("5049019").URPN. | USPAT | OR | OFF | 2005/10/18 12:28 |
| S84 | 435 | polyolefin and (maleic near anhydride) and metal | EPO; JPO; DERWENT | OR | OFF | 2005/10/18 12:39 |
| S86 | 2 | "11193432".pn. | EPO; JPO; DERWENT | OR | OFF | 2005/10/18 12:43 |
| S87 | 1 | "48023880".pn. | EPO; JPO; DERWENT | OR | OFF | 2005/10/18 12:44 |
| S91 | 167 | polymer and scission | EPO; JPO; DERWENT | OR | OFF | 2005/10/18 12:50 |
| S95 | 39 | polymer near metal and (container or bottle or can) and irradiat$3 | EPO; JPO; DERWENT | OR | OFF | 2005/10/18 12:51 |
| S97 | 1 | "5238715".pn. | EPO; JPO; DERWENT | OR | OFF | 2005/10/18 13:11 |
| S98 | 1 | "5238715".pn. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/18 13:11 |
| S99 | 9 | ("5238715").URPN. | USPAT | OR | OFF | 2005/10/18 13:23 |
| S101 | 1 | "6696106".pn. | USPAT | OR | OFF | 2005/10/18 13:25 |
| S102 | 10 | ("3759809" \| "3783151" \| "3825479" \| "3882187" \| "5919517" \| "6004629" \| "6020030" \| "6030710").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/18 13:25 |
| S103 | 4 | ("4410560" \| "4788992").PN. OR ("6004629").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/18 13:32 |

| S225 | 3 | ("5181409").URPN. | USPAT | OR | OFF | 2005/10/20 15:07 |
|---|---|---|---|---|---|---|
| S226 | 716 | scission$3 same polymer same "electron beam" same resistance near delamination or seperation | USPAT | OR | OFF | 2005/10/20 15:08 |
| S230 | 70 | scission$3 same polymer same "electron beam" | USPAT | OR | OFF | 2005/10/20 15:10 |
| S234 | 16 | ("3146146" \| "3462335" \| "3738923" \| "4072591" \| "4140607" \| "4184001" \| "4220511" \| "4329385" \| "Re28628").PN. OR ("4861408"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/20 15:33 |
| S235 | 11 | ("3146146").URPN. | USPAT | OR | OFF | 2005/10/20 15:26 |
| S236 | 1 | "4140607".pn. | USPAT | OR | OFF | 2005/10/20 15:26 |
| S237 | 19 | ("4140607").URPN. | USPAT | OR | OFF | 2005/10/20 15:27 |
| S238 | 11 | ("3146146").URPN. | USPAT | OR | OFF | 2005/10/20 15:29 |
| S243 | 87 | "electron beam" near megarads and polymer | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/20 15:50 |
| S246 | 3 | ("4012363" \| "4246378" \| "5407702").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/20 15:53 |
| S248 | 1 | "4452374".pn. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/20 15:53 |
| S249 | 20 | ("2406039" \| "3671295" \| "3826628" \| "4292463").PN. OR ("4452374"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/20 15:53 |
| S250 | 10 | ("3697513" \| "4452374" \| "4945008" \| "4957820").PN. OR ("5234516"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/20 15:57 |
| S251 | 559 | 427/331.ccls. | USPAT | OR | OFF | 2005/10/26 09:06 |
| S252 | 47 | (electron near beam) and 427/331. ccls. | USPAT | OR | OFF | 2005/10/25 17:22 |
| S257 | 284 | scission$3 same polymer and "electron beam" | USPAT | OR | OFF | 2005/10/26 07:46 |
| S258 | 19 | ("3349018" \| "4282076" \| "4507415" \| "4598128" \| "4628073" \| "4727113" \| "4888369" \| "4916198").PN. OR ("5439949"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/25 17:40 |
| S259 | 313 | (electron near beam) and (chain near (scission$3 or break)) | USPAT | OR | OFF | 2005/10/26 08:58 |

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|---|---|---|---|---|---|---|
| S26 0 | 0 | (chain near scission$3) same resist same delamination | USPAT | OR | OFF | 2005/10/26 08:59 |
| S26 1 | 1 | (chain near scission$3) same delamination | USPAT | OR | OFF | 2005/10/26 09:00 |
| S26 2 | 1 | (scission$3) same delamination | USPAT | OR | OFF | 2005/10/26 09:00 |
| S26 3 | 111 | (scission$3) and delamination | USPAT | OR | OFF | 2005/10/26 09:04 |
| S27 3 | 242 | 220/623.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/26 09:10 |
| S27 4 | 0 | (electron near beam) and 220/623. ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/26 09:10 |
| S27 5 | 2 | radiation and 220/623.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/26 09:11 |
| S27 6 | 8 | radiation and 220/62.2.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/26 09:11 |
| S27 7 | 11139 | container and (food or beverage or drink) and radiation | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/26 09:12 |
| S27 8 | 3145 | container same (food or beverage or drink) and radiation | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/26 09:12 |
| S27 9 | 2056 | container same (food or beverage or drink) and radiation and metal | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/26 09:12 |
| S28 0 | 917 | container same (food or beverage or drink) and radiation and metal and polymer | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/26 09:12 |
| S28 1 | 274 | container same (food or beverage or drink) and (electron near beam) and metal and polymer | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/26 09:13 |
| S28 2 | 3 | container same (food or beverage or drink) and (electron near beam) and metal and polymer | EPO; JPO; DERWENT | OR | OFF | 2005/10/26 10:00 |
| S28 3 | 8 | ("3783006").URPN. | USPAT | OR | OFF | 2005/10/26 09:24 |
| S28 4 | 5978 | (embrittle or brittle) same polymer and (container or can) | USPAT | OR | OFF | 2005/10/26 09:25 |
| S28 5 | 2122 | (embrittle or brittle) same polymer same (container or can) | USPAT | OR | OFF | 2005/10/26 09:25 |
| S28 6 | 73 | (embrittle or brittle) same polymer same container | USPAT | OR | OFF | 2005/10/26 09:52 |

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|---|---|---|---|---|---|---|
| S28 7 | 288 | (maleic near anhydride) same polypropylene and (electron near beam) | USPAT | OR | OFF | 2005/10/26 09:52 |
| S28 8 | 4 | container and (food or beverage or drink) and (electron near beam) and metal and polymer | EPO; JPO; DERWENT | OR | OFF | 2005/10/26 10:01 |
| S28 9 | 18 | container and (electron near beam) and metal and polymer | EPO; JPO; DERWENT | OR | OFF | 2005/10/26 10:04 |
| S29 1 | 1813 | polymer and (brittle or embrittle) | EPO; JPO; DERWENT | OR | OFF | 2005/10/26 10:07 |
| S29 2 | 456 | ((can near end) or container) and (brittle or embrittle) | EPO; JPO; DERWENT | OR | OFF | 2005/10/26 10:30 |
| S29 3 | 3 | ((can near end) or container) and (brittle or embrittle) and (electron near beam) | EPO; JPO; DERWENT | OR | OFF | 2005/10/26 10:07 |
| S29 4 | 100 | (brittle or embrittle) near coating | EPO; JPO; DERWENT | OR | OFF | 2005/10/26 10:31 |